

ABSTRACT

A conductive polymer gel contains water, as a main component, a conductive conjugated polymer, and a surfactant and/or an alcohol, and also it may contain an electrolyte. The conductive conjugated polymer may further be doped with a dopant. The conductive polymer gel is obtained by adding a surfactant and/or an alcohol to a conductive conjugated polymer colloidal dispersion and/or a conductive conjugated polymer solution and leaving the mixture to stand, thereby to gelatinize the mixture.